2014 TRI Form Rs:

WORTHEN INDUSTRIES INC UPACO DIV	3 E SPITBROOK RD	NASHUA	NH	

As a result of the TRI Reporting Forms Modification Rule, beginning in reporting year 2005, the Toxics Release Inventory Program is no longer collecting latitude and longitude data or EPA program ID data (Including Resource Conservation and Recovery Act (RCRA) IDs, National Pollutant Discharge Elimination System (NPDES) IDs AND Underground Injection Code (UIC) IDs) via the FORM R or FORM A Certification Statement. However, this data will still be made available to TRI data users and will be included in TRI data Reports. For those Reports, this data will be obtained from the Facility Registry System (FRS). Latitude and longitude coordinates used to represent TRI facilities are chosen from the FRS using the "Pick Best" Process. Primary permitting systems supply FRS with the program IDs that are used to represent TRI facilities. The FRS data that are being used to represent this facility are:

Reference Point/Description	<u>Latitude</u>	<u>Longitude</u>	Collection Method	Accuracy Value
N/A	42 71026	71 42000	GPS – UNSPECIFIED	NI / A
N/A	42.71036	-71.43898	GPS - UNSPECIFIED	N/A

RCRA ID NUMBER

NHD001038348

NPDES PERMIT NUMBER

NHR053013

UIC ID NUMBER

NO DATA

To correct the FRS latitude, longitude or program ID values click on the "Report an Error" button in the top right corner of this page. Facilities wishing to correct other data elements with the FORM R or FORM A should refer to How to Revise TRI Data.

For more information, see Collection of Latitude, Longitude and Program ID Data Has Been Discontinued.

DOCUMENT CONTROL NUMBER: 1314212421883 Facility Registry System ID: 110004087595

Section 1. Reporting Year

Reporting Year: 2014

Section 2. Trade Secret Information

2.1 Trade Secret: NO

2.2 Sanitized Copy: Unsanitized

Section 3. Certification

CERTIFYING OFFICIAL'S NAME	CERTIFYING OFFICIAL'S TITLE	CERTIFYING OFFICIAL'S SIGNATURE	DATE SIGNED
PAMELA DOYON	QUALITY/ENVIRONMENTAL ENGINEER	Electronic	11-JUN-15

Section 4. Facility Identification

TRI Facility ID: 03060PCDHS3EAST

4.1 Facility Name and Address.

Facility Information

NAME	<u>STREET</u>	<u>CITY</u>	COUNTY	STATE	ZIP CODE
WORTHEN INDUSTRIES INC UPACO DIV	3 E SPITBROOK RD	NASHUA	HILLSBOROUGH	NH	030605783

BIA Tribal Code	<u>Tribe</u>
NO DATA	NO DATA

Mailing Information

<u>NAME</u>	STREET	<u>CITY</u>	STATE	ZIP CODE
WORTHEN INDUSTRIES INC UPACO DIV	3 E SPITBROOK RD	NASHUA	NH	03060-5783

PROVINCE	COUNTRY (NON – US)
NO DATA	NO DATA

4.2 Facility Classification

ENTIRE FACILITY	PARTIAL FACILITY	FEDERAL FACILITY	GOCO FACILITY
YES	NO	NO	NO

4.3 Technical Contact

Not Available to the Public as this information is only for Intranet.

4.4 Public Contact

NAME	<u>PHONE</u>
VALERIE CONNELLY	6038885443

4.5 NAICS Codes

NAICS CODE	<u>PRIMARY</u>	NAICS CODE DESCRIPTION
325520	YES	Adhesive Manufacturing

4.7 Dun Numbers

DUNS NUMBER

5. Parent Company Information

Parent Company Name: WORTHEN INDUSTRIES INC

Parent Company DUNS Number: 001056795

DOCUMENT CONTROL NUMBER: 1314212421883

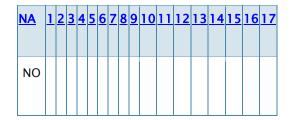
Section 1. Toxic Chemical Identity

1.1 <u>CAS Number</u>: N010

1.2 Toxic Chemical or Chemical Category Name: ANTIMONY COMPOUNDS

1.3 Generic Chemical Name: NA

1.4 Distribution of Each Member of the Dioxin and Dioxin like Compounds Category



Section 2. Mixture Component Identity

2.1 Supplier Provided Generic Chemical Name: NA

Section 3. Activities and Uses of the Toxic Chemical

3.1 Manufacture the Toxic Chemical:

Produce: NO	Import: NO	On-Site Use/Processing: NO
Sale/Distribution: NO	Byproduct: NO	Impurity: NO

3.2 Process the Toxic Chemical:

Reactant: NO Formulation Component: YES Article Component: NO Repackaging: NO Impurity: NO
--

3.3 Otherwise Use the Toxic Chemical:

Chemical Processing Aid: NO		Ancillary or Other Use: NO
-----------------------------	--	----------------------------

Section 4. Maximum Amount of the Toxic Chemical Onsite During the Calendar Year

Maximum Chemical Amount: 1000 to 9999

Section 5. Quantity of the Toxic Chemical Entering each Environmental Medium Onsite

5.1 Fugitive or Non-Point Air Emissions

NA	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE
NO	0	Pounds	E2 – Emission Factor, Site–specific

5.2 Stack or Point Air Emissions

<u>NA</u>	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE
NO	1	Pounds	E2 – Emission Factor, Site–specific

5.3 Discharges to Receiving Streams or Water Bodies

INA	STREAM/WATER BODY NAME	REACH Code		UNIT OF MEASURE	RASIS OF ESTIMATE	% FROM STORMWATER
NO	MERRIMACK RIVER	01070006000405	0	Pounds	O – Other Approaches	

5.4-5.5 Disposal to Land Onsite

5.4.1 <u>Underground Injection Onsite to Class I Wells.</u>

<u>NA</u>	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE
YES			

5.4.2 <u>Underground Injection Onsite to Class II–V Wells.</u>

<u>NA</u>	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE
YES			
5.5 D	risposal to Land Onsite		
5.5.1	A RCRA Subtitle C Landfill	<u>5</u>	

NA	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE
YES			

5.5.1B Other Landfills

NA	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE
YES			

5.5.2 Land Treatment/Application Farming

<u>NA</u>	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE
YES			

5.5.3A RCRA Subtitle C Surface Impoundments

<u>NA</u>	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE

YES			
5.5.3	B Other Surface Impoundn	<u>nents</u>	
NA	TOTAL RELEASE (per year)	LINIT OF MEASURE	PASIS OF ESTIMAT
<u>NA</u>	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMAT
YES			
5.5.4	Other Disposal		
NA	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMAT
YES			

ions

6.1 Discharges to Publicly Owned Treatment Works (POTWs)

1 - <u>NAME</u> :	ADDRESS:						
CITY:	STATE:						
COUNTY:	ZIP CODE:						
TOTAL TRA	NSFERS (per	year)	UNIT	OF MEA	SURE	BASIS OF	ESTIMAT
No	D DATA					NO I	DATA

1 RCRA Number: NYD049253719	Parent Company Controlled: YES
Name: ASHLAND CHEMICAL CO	Address: 3 BROAD STREET
City: BINGHAMTON	State: NY
County: BROOME	<u>Zip Code</u> : 13904
Country Code (Non – US):	Province:

	-	UNIT OF MEASURE	BASIS OF ESTIMATE	WASTE MANAGEMENT TYPE
1	50	Pounds	O - Other Approaches	M99 – Unknown

Section 7A. On-Site Waste Treatment Methods and Efficiency

7A.1a. Waste Stream: NA

	Waste Stream.
7A.1b.	WASTE TREATMENT METHOD(S) SEQUENCE
1	NO DATA

7A.1d. Waste Treatment Efficiency Estimate: NA

Section 7B. On-Site Energy Recovery Processes

ON SITE ENERGY	RECOVERY	PROCESSES
NA		

Section 7C. On-Site Recycling Processes

ON SITE RECYCLING PROCESSES
NA

SECTION	TYPE OF QUANTITY	IINII	YFAR	REPORTING	YEAR	SECOND FOLLOWING YEAR
8.1a	Total on-site disposal to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills		NA	NA	NA	NA
8.1b	Total other on-site disposal or other releases	Pounds	1	1	1	1
8.1c	Total off-site disposal to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills		NA	NA	NA	NA
8.1d	Total other off-site disposal or other releases	Pounds	49	50	49	48
8.2	Quantity Used for Energy Recovery Onsite		NA	NA	NA	NA
8.3	Quantity Used for Energy Recovery Offsite		NA	NA	NA	NA
8.4	Quantity Recycled Onsite		NA	NA	NA	NA
8.5	Quantity Recycled Offsite		NA	NA	NA	NA
8.6	Quantity Treated Onsite		NA	NA	NA	NA
8.7	Quantity Treated Offsite		NA	NA	NA	NA

8.8 One-Time Event Release: NA

8.9 <u>Production Ratio</u> or <u>Activity Ratio</u> : 1.02

8.10 Source Reduction Activities

SOURCE REDUCTION ACTIVITIES	METHOD 1	METHOD 2	METHOD 3	ESTIMATED ANNUAL REDUCTION

NA		

8.11 Additional Data Indicator: NO

B7 No known substitutes or alternative technologies. No comment provided

9.1 Miscellaneous, Additional or Optional Information regarding the Form R submission

PRAI Production Ratio or Activity Index comment Throughput report of current year/last year.

PART I. FACILITY IDENTIFICATION INFORMATION (FORM R)

DOCUMENT CONTROL NUMBER: 1314212421895
Facility Registry System ID: 110004087595

Section 1. Reporting Year

Reporting Year: 2014

Section 2. Trade Secret Information

2.1 Trade Secret: NO

2.2 Sanitized Copy: Unsanitized

Section 3. Certification

CERTIFYING OFFICIAL'S NAME	CERTIFYING OFFICIAL'S TITLE	CERTIFYING OFFICIAL'S SIGNATURE	DATE SIGNED
PAMELA DOYON	QUALITY/ENVIRONMENTAL ENGINEER	Electronic	11-JUN-15

Section 4. Facility Identification

TRI Facility ID: 03060PCDHS3EAST

4.1 Facility Name and Address.

Facility Information

<u>NAME</u>	STREET	<u>CITY</u>	COUNTY	STATE	ZIP CODE
WORTHEN INDUSTRIES INC UPACO DIV	3 E SPITBROOK RD	NASHUA	HILLSBOROUGH	NH	030605783

BIA Tribal Code	<u>Tribe</u>
NO DATA	NO DATA

Mailing Information

<u>NAME</u>	STREET	<u>CITY</u>	STATE	ZIP CODE
WORTHEN INDUSTRIES INC UPACO DIV	3 E SPITBROOK RD	NASHUA	NH	03060-5783

PROVINCE	COUNTRY (NON - US)
NO DATA	NO DATA

4.2 Facility Classification

ENTIRE FACILITY	PARTIAL FACILITY	FEDERAL FACILITY	GOCO FACILITY
YES	NO	NO	NO

4.3 Technical Contact

Not Available to the Public as this information is only for Intranet.

4.4 Public Contact

<u>NAME</u>	<u>PHONE</u>
VALERIE CONNELLY	6038885443

4.5 NAICS Codes

NAICS CODE	<u>PRIMARY</u>	NAICS	CODE	DESCRIPTIO	N

325520	YES	Adhesive Manufacturing

4.7 Dun Numbers

DUNS NUMBER

5. Parent Company Information

Parent Company Name: WORTHEN INDUSTRIES INC

Parent Company DUNS Number: 001056795

PART II. CHEMICAL - SPECIFIC INFORMATION

DOCUMENT CONTROL NUMBER: 1314212421895

Section 1. Toxic Chemical Identity

1.1 <u>CAS Number</u>: N120

1.2 Toxic Chemical or Chemical Category Name: DIISOCYANATES

1.3 Generic Chemical Name: NA

1.4 Distribution of Each Member of the Dioxin and Dioxin like Compounds Category

<u>NA</u>	1	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>	<u>10</u>	<u>11</u>	<u>12</u>	<u>13</u>	<u>14</u>	<u>15</u>	<u>16</u>	<u>17</u>
NO																	

Section 2. Mixture Component Identity

2.1 Supplier Provided Generic Chemical Name: NA

Section 3. Activities and Uses of the Toxic Chemical

3.1 Manufacture the Toxic Chemical:

Produce: NO	Import: NO	On-Site Use/Processing: NO		
Sale/Distribution: NO	Byproduct: NO	Impurity: NO		

3.2 Process the Toxic Chemical:

Formulation Component: NO Article Component: NO Repackaging: NO Impurity: NO
--

3.3 Otherwise Use the Toxic Chemical:

Chemical Processing Aid: NO		Ancillary or Other Use: NO
-----------------------------	--	----------------------------

Section 4. Maximum Amount of the Toxic Chemical Onsite During the Calendar Year

Maximum Chemical Amount: 10000 to 99999

Section 5. Quantity of the Toxic Chemical Entering each Environmental Medium Onsite

5.1 Fugitive or Non-Point Air Emissions

<u>NA</u>	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE
NO	0	Pounds	E2 – Emission Factor, Site-specific

5.2 Stack or Point Air Emissions

<u>NA</u>	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE
NO	2	Pounds	E2 – Emission Factor, Site–specific

5.3 <u>Discharges to Receiving Streams or Water Bodies</u>

<u>NA</u>	STREAM/WATER BODY NAME	REACH Code		<u>UNIT OF</u> <u>MEASURE</u>	RASIS OF ESTIMATE	<u>% FROM</u> STORMWATER
NO	MERRIMACK RIVER	01070006000405	0	Pounds	O – Other Approaches	

5.4-5.5 Disposal to Land Onsite

	5.4.1	Underground In	iection Onsite	to Class I	Wells.
--	-------	-----------------------	----------------	------------	--------

<u>NA</u>	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE
YES			

5.4.2 <u>Underground Injection Onsite to Class II-V Wells.</u>

<u>NA</u>	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE
YES			

5.5 Disposal to Land Onsite

5.5.1A RCRA Subtitle C Landfills

<u>NA</u>	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE
YES			

5.5.1B Other Landfills

<u>NA</u>	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE
YES			

5.5.2 Land Treatment/Application Farming

NA	TOTAL RELEASE ((per year)	UNIT OF M	<u>IEASURE</u>	BASIS OF	ESTIMATE
YES						
5.5.3	A RCRA Subtitle (C Surface	<u>Impoundn</u>	nents		
5.5.3	A RCRA Subtitle C	C Surface	Impoundn	nents		
	A RCRA Subtitle (BASIS OF	ESTIMAT
					BASIS OF	ESTIMAT

5.5.3B Other Surface Impoundments

<u>NA</u>	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE
YES			

5.5.4 Other Disposal

<u>NA</u>	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE
YES			

Section 6. Transfers of the Toxic Chemical in Wastes to Off-Site Locations

6.1 Discharges to Publicly Owned Treatment Works (POTWs)

1 – <u>NAME</u> :	ADDRESS:

<u>CITY</u> :	STATE:			
COUNTY:	ZIP CODE:			
TOTAL TRAI	NSFERS (per	year)	UNIT OF MEASURE	BASIS OF ESTIMATE
NO	O DATA			NO DATA

6.2 Transfers to other Off-Site Locations

1 RCRA Number: MAD0010		Parent Company Controlled: NO			
	<u> </u>	<u>arent Company</u>	Controlled: NO		
Name: ROCHE BROTHERS B	SARREL CO	Address: 161 PF	IOENIX AVENUE		
City: LOWELL	<u>S</u>	State: MA			
County: MIDDLESEX	<u> Z</u>	<u>Zip Code</u> : 01852	2		
Country Code (Non – US):	<u> </u>	Province:			
	TOTAL TRAN year)		UNIT OF MEASURE	BASIS OF ESTIMATE	WASTE MANAGEMENT TYPE
1		739	Pounds	O – Other Approaches	M99 – Unknown
2 RCRA Number: NJD98114	42797	Parent Company Controlled: N		0	
Name: KEARNY STEEL CON	TAINER CORF	Address: 401	SOUTH STREET		
City: NEWARK		State: NJ			
County: ESSEX		<u>Zip Code</u> : 07105			
Country Code (Non – US):		Province:			
	TOTAL TRAN		UNIT OF MEASURE	BASIS OF ESTIMATE	WASTE MANAGEMENT TYPE

1		49		Poun	ds	O – Other Approaches		M99 – Unknown
3 RCRA Number: NYD04	9253719	Parent Company Controlled: YES		ES				
Name: ASHLAND CHEMIC	CAL CO	Address: 3 BR	Address: 3 BROAD STREET					
City: BINGHAMTON		State: NY						
County: BROOME		Zip Code: 139	904					
Country Code (Non - US	<u>)</u> :	<u>Province</u> :						
	TOTAL TR year)	ANSFERS (per	UNIT (BASIS (OF ESTIMATE	WASTE M	ANAGEMENT TYPE
1		1473	Po	ounds	O – O Appro	ther paches	M94 – T Disposal	ransfer to Waste Broker-

Section 7A. On-Site Waste Treatment Methods and Efficiency

7A.1a. Waste Stream: NA

7A.1b.	7A.1b. WASTE TREATMENT METHOD(S) SEQUENCE								
1	NO DATA								

7A.1d. Waste Treatment Efficiency Estimate: NA

Section 7B. On-Site Energy Recovery Processes

ON SI	TE ENERGY	RECOVER	Y PROCES	SES
NA				

Section 7C. On-Site Recycling Processes

ON SITE RECYCLING PROCESSE	S
NA	

Section 8. Source Reduction and Recycling Activities

SECTION	TYPE OF QUANTITY	<u>UNITS</u>	YFAR	REPORTING	FOLLOWING YEAR	SECOND FOLLOWING YEAR
8.1a	Total on-site disposal to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills		NA	NA	NA	NA
8.1b	Total other on-site disposal or other releases	Pounds	2	2	2	2
8.1c	Total off-site disposal to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills		NA	NA	NA	NA
8.1d	Total other off-site disposal or other releases	Pounds	1625	1231	1400	1400
8.2	Quantity Used for Energy Recovery Onsite		NA	NA	NA	NA
8.3	Quantity Used for Energy Recovery Offsite		NA	NA	NA	NA
8.4	Quantity Recycled Onsite		NA	NA	NA	NA
8.5	Quantity Recycled Offsite		NA	NA	NA	NA
8.6	Quantity Treated Onsite		NA	NA	NA	NA
8.7	Quantity Treated Offsite		NA	NA	NA	NA

8.8 One-Time Event Release: 1473 Pounds

8.9 Production Ratio or Activity Ratio : 1.23

8.10 Source Reduction Activities

SOURCE REDUCTION ACTIVITIES	METHOD 1	METHOD 2	METHOD 3	ESTIMATED ANNUAL REDUCTION
NA				

8.11 Additional Data Indicator: NO

В3	Concern that product quality may decline as a result of source reduction.	No comment provided
В7	No known substitutes or alternative technologies.	No comment provided

9.1 Miscellaneous, Additional or Optional Information regarding the Form R submission

PRAI Production Ratio or Activity Index comment throughput report of current year/last year

PART I. FACILITY IDENTIFICATION INFORMATION (FORM R)

DOCUMENT CONTROL NUMBER: 1314212421907

Facility Registry System ID: 110004087595

Section 1. Reporting Year

Reporting Year: 2014

Section 2. Trade Secret Information

2.1 Trade Secret: NO

2.2 Sanitized Copy: Unsanitized

Section 3. Certification

CERTIFYING OFFICIAL'S NAME	CERTIFYING OFFICIAL'S TITLE	CERTIFYING OFFICIAL'S SIGNATURE	DATE SIGNED
PAMELA DOYON	QUALITY/ENVIRONMENTAL ENGINEER	Electronic	11-JUN-15

Section 4. Facility Identification

TRI Facility ID: 03060PCDHS3EAST

4.1 Facility Name and Address.

Facility Information

NAME	<u>STREET</u>	<u>CITY</u>	COUNTY	STATE ZIP CODE

WORTHEN INDI	USTRIES INC	UPACO DIV	3 E SPITBROOK RD	NASHUA	HILLSBOROUGH	NH	030605783
BIA Tribal Code	<u>Tribe</u>						
NO DATA	NO DATA						

Mailing Information

<u>NAME</u>	STREET	<u>CITY</u>	STATE	ZIP CODE
WORTHEN INDUSTRIES INC UPACO DIV	3 E SPITBROOK RD	NASHUA	NH	03060-5783

COUNTRY (NON - US)
NO DATA

4.2 Facility Classification

ENTIRE FACILITY	PARTIAL FACILITY	FEDERAL FACILITY	GOCO FACILITY
YES	NO	NO	NO

4.3 Technical Contact

Not Available to the Public as this information is only for Intranet.

4.4 Public Contact

<u>NAME</u>	<u>PHONE</u>
VALERIE CONNELLY	6038885443

4.5 NAICS Codes

NAICS CODE	PRIMARY	NAICS CODE DESCRIPTION
325520	YES	Adhesive Manufacturing

4.7 Dun Numbers

DUNS NUMBER

5. Parent Company Information

Parent Company Name: WORTHEN INDUSTRIES INC

Parent Company DUNS Number: 001056795

PART II. CHEMICAL - SPECIFIC INFORMATION

DOCUMENT CONTROL NUMBER: 1314212421907

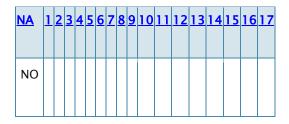
Section 1. Toxic Chemical Identity

1.1 <u>CAS Number</u>: 000068122

1.2 Toxic Chemical or Chemical Category Name: N.N-DIMETHYLFORMAMIDE

1.3 Generic Chemical Name: NA

1.4 Distribution of Each Member of the Dioxin and Dioxin like Compounds Category



Section 2. Mixture Component Identity

2.1 Supplier Provided Generic Chemical Name: NA

Section 3. Activities and Uses of the Toxic Chemical

3.1 Manufacture the Toxic Chemical:

Produce: NO	lmport: NO	On-Site Use/Processing: NO
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Sale/Distribution: NO	Byproduct: NO	Impurity: NO	

3.2 Process the Toxic Chemical:

Reactant: NO Formulation Compo	nent: YES Article Component: NO	Repackaging: NO	Impurity: NO
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3.3 Otherwise Use the Toxic Chemical:

Chemical Processing Aid: NO	II	Ancillary or Other Use: YES
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Section 4. Maximum Amount of the Toxic Chemical Onsite During the Calendar Year

Maximum Chemical Amount: 10000 to 99999

Section 5. Quantity of the Toxic Chemical Entering each Environmental Medium Onsite

5.1 Fugitive or Non-Point Air Emissions

<u>NA</u>	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE
NO	1 - 10	Pounds	E2 – Emission Factor, Site–specific

5.2 Stack or Point Air Emissions

<u>NA</u>	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE
NO	71	Pounds	E2 – Emission Factor, Site–specific

5.3 <u>Discharges to Receiving Streams or Water Bodies</u>

N	Α	STREAM/WATER BODY NAME	REACH Code	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE	% FROM STORMWATER

NO	MERRIMACK RIVER	01070006000405	0	Pounds	O – Other Approaches	
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5.4-5.5 Disposal to Land Onsite

5.4.1 <u>Underground Injection Onsite to Class I Wells.</u>

<u>NA</u>	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE
YES			

5.4.2 <u>Underground Injection Onsite to Class II–V Wells.</u>

NA	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE
YES			

5.5 Disposal to Land Onsite

5.5.1A RCRA Subtitle C Landfills

<u>NA</u>	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE
YES			

5.5.1B Other Landfills

NA	TOTAL	RELEASE	(per yea	ւ <mark>r) UNIT</mark>	OF MEA	ASURE B	BASIS C	F EST	MATE

J.J.2	Land Treatment/Applicati	<u>on ranning</u>	
NA NA	TOTAL RELEASE (per year)	LINIT OF MEASURE	RASIS OF FSTIMATE
<u>IVA</u>	TOTAL RELEASE (per year)	OTT OF MEASURE	DASIS OF ESTIMATE
YES			
5.5.3	A RCRA Subtitle C Surface	<u>Impoundments</u>	
<u>NA</u>	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE
\/FC			
YES			
	D Other Surface Impact and		
3.3.3	B Other Surface Impoundn	<u>tents</u>	
NIA	TOTAL BELEASE (*******	UNIT OF MEASURE	DACIC OF ECTIMATE
<u>NA</u>	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE
YES			
5.5.4	Other Disposal		
<u>NA</u>	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE
	TO TAX TRANSPORT		
	, , , , , , , , , , , , , , , , , , , ,		
YES			

Section 6. Transfers of the Toxic Chemical in Wastes to Off-Site Locations

6.1 <u>Discharges to Publicly Owned Treatment Works (POTWs)</u>

YES

5.5.2 Land Treatment/Application Farming

1 – <u>NAME</u> :	ADDRESS:
<u>CITY</u> :	STATE:
COUNTY:	ZIP CODE:

TOTAL TRANSFERS (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE
NO DATA		NO DATA

6.2 Transfers to other Off-Site Locations

1 <u>RCRA Number</u> : MAD001035971	Parent Company Controlled: NO
Name: ROCHE BROTHERS BARREL CO	Address: 161 PHOENIX AVENUE
City: LOWELL	State: MA
County: MIDDLESEX	<u>Zip Code</u> : 01852
Country Code (Non – US):	<u>Province</u> :

	-	UNIT OF MEASURE	BASIS OF ESTIMATE	WASTE MANAGEMENT TYPE
1	42	Pounds	O – Other Approaches	M99 – Unknown

2 <u>RCRA Number</u> : NYD049253719	Parent Company Controlled: YES
Name: ASHLAND CHEMICAL CO	Address: 3 BROAD STREET
City: BINGHAMTON	State: NY
County: BROOME	<u>Zip Code</u> : 13904
Country Code (Non – US):	Province:

	TOTAL TRANSFER: year)	-	<u>INIT OF</u> MEASUR		BASIS OF E	<u>STIMATE</u>	WASTE MANA	AGEMENT TYPE
1	:	3985	Pour	nds	O – Other Approache		M92 – Trans Energy Reco	sfer to Waste Broker- overy
3 RCRA Number: NJD9	Parent	t Compa	any Cor	ntrolled: NC)			
Name: KEARNY STEEL CONTAINER CORP			Address: 401 SOUTH STREET					
City: NEWARK		State: NJ						
County: ESSEX		<u>Zip Code</u> : 07105						
Country Code (Non - U	<u>IS)</u> :	Provin	ice:					
OFFSITE AMOUNT SEQUENCE	TOTAL TRANS	SFERS (p		<u>unit o</u> Measui		BASIS OF I	ESTIMATE	WASTE MANAGEMENT TYPE
1			29	Po	unds	O – Othe Approach		M99 – Unknown

Section 7A. On-Site Waste Treatment Methods and Efficiency

7A.1a. Waste Stream: NA

7A.1b.	WASTE TREATMENT METHOD(S) SEQUENCE
1	NO DATA

7A.1d. Waste Treatment Efficiency Estimate: NA

Section 7B. On-Site Energy Recovery Processes

ON	SITE	ENERGY	RECOVER'	Y PROCE	SSES
NΑ	1				
1 17	`				

Section 7C. On-Site Recycling Processes

ON SITE RECYCLING PROCESSES

NA			

Section 8. Source Reduction and Recycling Activities

SECTION	TYPE OF QUANTITY	<u>UNITS</u>	YFAR	REPORTING	FOLLOWING YEAR	SECOND FOLLOWING YEAR
8.1a	Total on-site disposal to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills		NA	NA	NA	NA
8.1b	Total other on-site disposal or other releases	Pounds	119	76	75	70
8.1c	Total off-site disposal to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills		NA	NA	NA	NA
8.1d	Total other off-site disposal or other releases	Pounds	152.9	71	60	50
8.2	Quantity Used for Energy Recovery Onsite		NA	NA	NA	NA
8.3	Quantity Used for Energy Recovery Offsite	Pounds	2617	3613	3500	3000
8.4	Quantity Recycled Onsite		NA	NA	NA	NA
8.5	Quantity Recycled Offsite		NA	NA	NA	NA
8.6	Quantity Treated Onsite		NA	NA	NA	NA
8.7	Quantity Treated Offsite		NA	NA	NA	NA

8.9 <u>Production Ratio</u> or <u>Activity Ratio</u> : 1.14

8.10 Source Reduction Activities

SOURCE REDUCTION ACTIVITIES	METHOD 1	METHOD 2	ESTIMATED ANNUAL REDUCTION
W71 – OTHER CLEANING AND DEGREASING MODIFICATIONS	T04 – PARTICIPATIVE TEAM MANAGEMENT		

8.11 Additional Data Indicator: NO

CEM	General Environmental	Able to reuse kettle washes much longer until it is spent and needs to be manifested
GLIVI	Management	out as waste for energy recovery.

9.1 Miscellaneous, Additional or Optional Information regarding the Form R submission

PRAI Production Ratio or Activity Index comment Throughput report current year/last year

PART I. FACILITY IDENTIFICATION INFORMATION (FORM R)

<u>DOCUMENT CONTROL NUMBER</u>: 1314212421919 <u>Facility Registry System ID:</u> <u>110004087595</u>

Section 1. Reporting Year

Reporting Year: 2014

Section 2. Trade Secret Information

2.1 Trade Secret: NO

2.2 Sanitized Copy: Unsanitized

Section 3. Certification

CERTIFYING OFFICIAL'S NAME	CERTIFYING OFFICIAL'S TITLE	CERTIFYING OFFICIAL'S SIGNATURE	DATE SIGNED
PAMELA DOYON	QUALITY/ENVIRONMENTAL ENGINEER	Electronic	11-JUN-15

Section 4. Facility Identification

TRI Facility ID: 03060PCDHS3EAST

4.1 Facility Name and Address.

Facility Information

<u>NAME</u>	STREET	<u>CITY</u>	COUNTY	STATE	ZIP CODE
WORTHEN INDUSTRIES INC UPACO DIV	3 E SPITBROOK RD	NASHUA	HILLSBOROUGH	NH	030605783

BIA Tribal Code	<u>Tribe</u>
NO DATA	NO DATA

Mailing Information

<u>NAME</u>	<u>STREET</u>	CITY	STATE	ZIP CODE
WORTHEN INDUSTRIES INC UPACO DIV	3 E SPITBROOK RD	NASHUA	NH	03060-5783

PROVINCE	COUNTRY (NON – US)
NO DATA	NO DATA

4.2 Facility Classification

ENTIRE FACILITY	PARTIAL FACILITY	FEDERAL FACILITY	GOCO FACILITY
YES	NO	NO	NO

4.3 Technical Contact

Not Available to the Public as this information is only for Intranet.

4.4 Public Contact

NAME	<u>PHONE</u>

VALERIE CONNELLY	6038885443

4.5 NAICS Codes

NAICS CODE	<u>PRIMARY</u>	NAICS CODE DESCRIPTION
325520	YES	Adhesive Manufacturing

4.7 Dun Numbers

DUNS NUMBER

5. Parent Company Information

Parent Company Name: WORTHEN INDUSTRIES INC

Parent Company DUNS Number: 001056795

PART II. CHEMICAL - SPECIFIC INFORMATION

DOCUMENT CONTROL NUMBER: 1314212421919

Section 1. Toxic Chemical Identity

1.1 CAS Number: 000071363

1.2 Toxic Chemical or Chemical Category Name: N-BUTYL ALCOHOL

1.3 Generic Chemical Name: NA

1.4 Distribution of Each Member of the Dioxin and Dioxin like Compounds Category

<u>NA</u>	1	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>	10	<u>11</u>	<u>12</u>	<u>13</u>	<u>14</u>	<u>15</u>	<u>16</u>	<u>17</u>
NO																	

Section 2. Mixture Component Identity

2.1 Supplier Provided Generic Chemical Name: NA

Section 3. Activities and Uses of the Toxic Chemical

3.1 Manufacture the Toxic Chemical:

Produce: NO	Import: NO	On-Site Use/Processing: NO
Sale/Distribution: NO	Byproduct: NO	Impurity: NO

3.2 Process the Toxic Chemical:

Reactant: NO Formul	lation Component: YES	Article Component: NO	Repackaging: NO	Impurity: NO
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3.3 Otherwise Use the Toxic Chemical:

Chemical Processing Aid: NO		Ancillary or Other Use: NO
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Section 4. Maximum Amount of the Toxic Chemical Onsite During the Calendar Year

Maximum Chemical Amount: 1000 to 9999

Section 5. Quantity of the Toxic Chemical Entering each Environmental Medium Onsite

5.1 Fugitive or Non-Point Air Emissions

<u>NA</u>	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE
NO	1	Pounds	E2 – Emission Factor, Site–specific

5.2 Stack or Point Air Emissions

<u>NA</u>	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE
NO	5	Pounds	E2 – Emission Factor, Site–specific

5.3 Discharges to Receiving Streams or Water Bodies

<u>NA</u>	STREAM/WATER BODY NAME	REACH Code		UNIT OF MEASURE	RASIS OF FSTIMATE	% FROM STORMWATER
NO	MERRIMACK RIVER	01070006000405	0	Pounds	O – Other Approaches	

5.4-5.5 Disposal to Land Onsite

5.4.1 <u>Underground Injection Onsite to Class I Wells.</u>

<u>NA</u>	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE
YES			

5.4.2 <u>Underground Injection Onsite to Class II–V Wells.</u>

NA	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE
YES			

5.5 Disposal to Land Onsite

5.5.1A RCRA Subtitle C Landfills

<u>NA</u>	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE
YES			

5.5.1B Other Landfills

<u>IA</u>	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATI
YES			
.5.2	Land Treatment/Applicat	ion Farming	
			PASIS OF ESTIMAT
	Land Treatment/Applicat TOTAL RELEASE (per year)		BASIS OF ESTIMATI
.5.2 NA YES			BASIS OF ESTIMATI

<u>NA</u>	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE
YES			

5.5.3B Other Surface Impoundments

<u>NA</u>	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE
YES			

5.5.4 Other Disposal

NA	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE
YES			

Section 6. Transfers of the Toxic Chemical in Wastes to Off-Site Locations

6.1 Discharges to Publicly Owned Treatment Works (POTWs)

1 - <u>NAME</u> :	ADDRESS:							
<u>CITY</u> :	STATE:							
COUNTY:	ZIP CODE:							
TOTAL TRA	NSFERS (per	<u>year)</u>	UNIT	OF ME	<u>ASURE</u>	BASIS OF	ESTIMAT	<u>'E</u>
N	ATAD C					NO	DATA	

6.2 Transfers to other Off-Site Locations

1 RCRA Number: MAD001035971	Parent Company Controlled: NO
Name: ROCHE BROTHERS BARREL CO	Address: 161 PHOENIX AVENUE
<u>City</u> : LOWELL	State: MA
County: MIDDLESEX	<u>Zip Code</u> : 01852
Country Code (Non – US):	Province:

		UNIT OF MEASURE	BASIS OF ESTIMATE	WASTE MANAGEMENT TYPE
1	65	Pounds	O – Other Approaches	M99 – Unknown

2 RCRA Number: NJD981142797	Parent Company Controlled: NO
Name: KEARNY STEEL CONTAINER CORP	Address: 401 SOUTH STREET
<u>City</u> : NEWARK	State: NJ

County: ESSEX	Zip Code: 0	7105		
Country Code (Non – US):	<u>Province</u> :			
	OTAL TRANSFERS (per ear)	UNIT OF MEASURE	BASIS OF ESTIMATE	WASTE MANAGEMENT TYPE

43

Pounds

O – Other

Approaches

M99 - Unknown

3 RCRA Number: NYD04925	Parent Company Controlled: YES
Name: ASHLAND CHEMICAL	CO Address: 3 BROAD STREET
City: BINGHAMTON	State: NY
County: BROOME	<u>Zip Code</u> : 13904

Province:

SEQUENCE yea	DTAL TRANSFERS (per ar)	MEASURE	BASIS OF ESTIMATE	WASTE MANAGEMENT TYPE
1	79	Pounds	O - Other Approaches	M92 – Transfer to Waste Broker– Energy Recovery

Section 7A. On-Site Waste Treatment Methods and Efficiency

7A.1a. Waste Stream: NA

Country Code (Non - US):

7A.1b.	WASTE TREATMENT METHOD(S) SEQUENCE
1	NO DATA

7A.1d. Waste Treatment Efficiency Estimate: NA

Section 7B. On-Site Energy Recovery Processes

<u>ON</u>	SITE	ENERC	Y REC	OVERY	PROC	ESSES
N/	4					

	ES
NA	

Section 8. Source Reduction and Recycling Activities

SECTION	TYPE OF QUANTITY	IIINIII	YFAR	CURRENT REPORTING YEAR	FOLLOWING YEAR	SECOND FOLLOWING YEAR
8.1a	Total on-site disposal to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills		NA	NA	NA	NA
8.1b	Total other on-site disposal or other releases	Pounds	6	6	6	6
8.1c	Total off-site disposal to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills		NA	NA	NA	NA
8.1d	Total other off-site disposal or other releases	Pounds	123	108	100	90
8.2	Quantity Used for Energy Recovery Onsite		NA	NA	NA	NA
8.3	Quantity Used for Energy Recovery Offsite	Pounds	50	79	60	55
8.4	Quantity Recycled Onsite		NA	NA	NA	NA
8.5	Quantity Recycled Offsite		NA	NA	NA	NA
8.6	Quantity Treated Onsite		NA	NA	NA	NA
8.7	Quantity Treated Offsite		NA	NA	NA	NA

8.10 Source Reduction Activities					
SOURCE REDUCTION ACTIVITIES	METHOD 1	METHOD 2	METHOD 3	ESTIMATED ANNUAL REDUCTION	
NA					
8.11 Additional Data Indicator: I	NO	I	1		

or Activity Ratio : 1.03

9.1 Miscellaneous, Additional or Optional Information regarding the Form R submission

PRAI|Production Ratio or Activity Index comment|current year throughput report/last year

PART I. FACILITY IDENTIFICATION INFORMATION (FORM R)

DOCUMENT CONTROL NUMBER: 1314212421921 Facility Registry System ID: 110004087595

Section 1. Reporting Year

8.9 Production Ratio

Reporting Year: 2014

Section 2. Trade Secret Information

2.1 Trade Secret: NO

2.2 Sanitized Copy: Unsanitized

Section 3. Certification

CERTIFYING OFFICIAL'S NAME	CERTIFYING OFFICIAL'S TITLE	CERTIFYING OFFICIAL'S SIGNATURE	DATE SIGNED
PAMELA DOYON	QUALITY/ENVIRONMENTAL ENGINEER	Electronic	11-JUN-15

Section 4. Facility Identification

TRI Facility ID: 03060PCDHS3EAST

4.1 Facility Name and Address.

Facility Information

<u>NAME</u>	<u>STREET</u>	<u>CITY</u>	COUNTY	<u>STATE</u>	ZIP CODE
WORTHEN INDUSTRIES INC UPACO DIV	3 E SPITBROOK RD	NASHUA	HILLSBOROUGH	NH	030605783

BIA Tribal Code	<u>Tribe</u>
NO DATA	NO DATA

Mailing Information

<u>NAME</u>	<u>STREET</u>	<u>CITY</u>	STATE	ZIP CODE
WORTHEN INDUSTRIES INC UPACO DIV	3 E SPITBROOK RD	NASHUA	NH	03060-5783

PROVINCE	COUNTRY (NON - US)
NO DATA	NO DATA

4.2 Facility Classification

ENTIRE FACILITY	PARTIAL FACILITY	FEDERAL FACILITY	GOCO FACILITY
YES	NO	NO	NO

4.3 Technical Contact

Not Available to the Public as this information is only for Intranet.

4.4 Public Contact

NAME	<u>PHONE</u>
VALERIE CONNELLY	6038885443

4.5 NAICS Codes

NAICS CODE	PRIMARY	NAICS CODE DESCRIPTION
325520	YES	Adhesive Manufacturing

4.7 Dun Numbers

DUNS NUMBER

5. Parent Company Information

Parent Company Name: WORTHEN INDUSTRIES INC

Parent Company DUNS Number: 001056795

PART II. CHEMICAL - SPECIFIC INFORMATION

DOCUMENT CONTROL NUMBER: 1314212421921

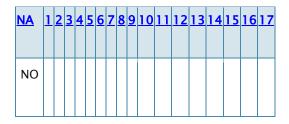
Section 1. Toxic Chemical Identity

1.1 CAS Number: 000110543

1.2 Toxic Chemical or Chemical Category Name: N-HEXANE

1.3 Generic Chemical Name: NA

1.4 Distribution of Each Member of the Dioxin and Dioxin like Compounds Category



Section 2. Mixture Component Identity

2.1 Supplier Provided Generic Chemical Name: NA

Section 3. Activities and Uses of the Toxic Chemical

3.1 Manufacture the Toxic Chemical:

Produce: NO	Import: NO	On-Site Use/Processing: NO
-------------	------------	----------------------------

Sale/Distribution: NO	Byproduct: NO	Impurity: NO

3.2 Process the Toxic Chemical:

Reactant: NO	Formulation Component: YES	Article Component: NO	Repackaging: NO	Impurity: NO
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3.3 Otherwise Use the Toxic Chemical:

Chemical Processing Aid: NO	I .	Ancillary or Other Use: YES
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Section 4. Maximum Amount of the Toxic Chemical Onsite During the Calendar Year

Maximum Chemical Amount: 10000 to 99999

Section 5. Quantity of the Toxic Chemical Entering each Environmental Medium Onsite

5.1 Fugitive or Non-Point Air Emissions

<u>NA</u>	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE
NO	73	Pounds	E2 – Emission Factor, Site-specific

5.2 Stack or Point Air Emissions

<u>NA</u>	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE
NO	480	Pounds	E2 – Emission Factor, Site-specific

5.3 Discharges to Receiving Streams or Water Bodies

N.	A	STREAM/WATER BODY NAME	REACH Code	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE	% FROM STORMWATER

NO	MERRIMACK RIVER	01070006000405	0	Pounds	O – Other Approaches	
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5.4-5.5 Disposal to Land Onsite

5.4.1 <u>Underground Injection Onsite to Class I Wells.</u>

<u>NA</u>	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE
YES			

5.4.2 <u>Underground Injection Onsite to Class II–V Wells.</u>

NA	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE
YES			

5.5 Disposal to Land Onsite

5.5.1A RCRA Subtitle C Landfills

<u>NA</u>	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE
YES			

5.5.1B Other Landfills

NA	TOTAL	RELEASE	(per yea	ւ <mark>r) UNIT</mark>	OF MEA	ASURE B	BASIS C	F EST	MATE

3.3. <u>L</u>	<u>cana rreatment/Appreati</u>	<u>on ranning</u>				
<u>NA</u>	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE			
YES						
5.5.3A RCRA Subtitle C Surface Impoundments						
<u>NA</u>	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE			
YES						
5.5.3	B Other Surface Impoundn	nents				
<u>NA</u>	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE			
YES						
5.5.4	Other Disposal					
<u>NA</u>	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE			
YES						

YES

5.5.2 Land Treatment/Application Farming

6.1 <u>Discharges to Publicly Owned Treatment Works (POTWs)</u>

Section 6. Transfers of the Toxic Chemical in Wastes to Off-Site Locations

1 – <u>NAME</u> :	ADDRESS:
CITY:	STATE:
COUNTY:	ZIP CODE:

TOTAL TRANSFERS (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE
NO DATA		NO DATA

6.2 Transfers to other Off-Site Locations

1 <u>RCRA Number</u> : MAD001035971	Parent Company Controlled: NO
Name: ROCHE BROTHERS BARREL CO	Address: 161 PHOENIX AVENUE
<u>City</u> : LOWELL	State: MA
County: MIDDLESEX	<u>Zip Code</u> : 01852
Country Code (Non – US):	<u>Province</u> :

OFFSITE AMOUNT SEQUENCE		UNIT OF MEASURE	BASIS OF ESTIMATE	WASTE MANAGEMENT TYPE
1	8	Pounds	O - Other Approaches	M99 – Unknown

2 RCRA Number: NYD049253719	Parent Company Controlled: YES
Name: ASHLAND CHEMICAL CO	Address: 3 BROAD STREET
<u>City</u> : BINGHAMTON	State: NY
County: BROOME	<u>Zip Code</u> : 13904
Country Code (Non – US):	Province:

OFFSITE AMOUNT SEQUENCE	TOTAL TRANSFERS (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE	WASTE MANAGEMENT TYPE
1	4419	Pounds	O – Other Approaches	M92 – Transfer to Waste Broker– Energy Recovery

Section 7A. On-Site Waste Treatment Methods and Efficiency

7A.1a. Waste Stream: NA

7A.1b.	WASTE TREATMENT METHOD(S) SEQUENCE
1	NO DATA

7A.1d. Waste Treatment Efficiency Estimate: NA

Section 7B. On-Site Energy Recovery Processes

<u>ON</u>	SITE	ENERGY	RECOVERY	PROCESSES
NΑ	١.			

Section 7C. On-Site Recycling Processes

ON SIT	E RECYCLI	NG PROCES	SES
NA			

Section 8. Source Reduction and Recycling Activities

SECTION	TYPE OF QUANTITY	LINITS	PRIOR YFAR	REPORTING	<u>FOLLOWING</u> YFAR	SECOND FOLLOWING YEAR
8.1a	Total on-site disposal to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills		NA	NA	NA	NA

8.1b	Total other on-site disposal or other releases	Pounds	581	553	580	580
8.1c	Total off-site disposal to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills		NA	NA	NA	NA
8.1d	Total other off-site disposal or other releases	Pounds	5	8	6	8
8.2	Quantity Used for Energy Recovery Onsite		NA	NA	NA	NA
8.3	Quantity Used for Energy Recovery Offsite	Pounds	3140	4419	4000	3800
8.4	Quantity Recycled Onsite		NA	NA	NA	NA
8.5	Quantity Recycled Offsite		NA	NA	NA	NA
8.6	Quantity Treated Onsite		NA	NA	NA	NA
8.7	Quantity Treated Offsite		NA	NA	NA	NA

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▽			
8.9 Production Ratio	or	Activity Ratio —	: 1.01

8.10 Source Reduction Activities

SOURCE REDUCTION ACTIVITIES	METHOD 1	METHOD 2	METHOD 3	ESTIMATED ANNUAL REDUCTION
NA				

3. 1	l 1	Additi	ional	Data I	nd	icator:	NO

9.1 Miscellaneous, Additional or Optional Information regarding the Form R submission

PART I. FACILITY IDENTIFICATION INFORMATION (FORM R)

DOCUMENT CONTROL NUMBER: 1314212421933
Facility Registry System ID: 110004087595

Section 1. Reporting Year

Reporting Year: 2014

Section 2. Trade Secret Information

2.1 Trade Secret: NO

2.2 Sanitized Copy: Unsanitized

Section 3. Certification

CERTIFYING OFFICIAL'S NAME	CERTIFYING OFFICIAL'S TITLE	CERTIFYING OFFICIAL'S SIGNATURE	DATE SIGNED
PAMELA DOYON	QUALITY/ENVIRONMENTAL ENGINEER	Electronic	11-JUN-15

Section 4. Facility Identification

TRI Facility ID: 03060PCDHS3EAST

4.1 Facility Name and Address.

Facility Information

<u>NAME</u>	<u>STREET</u>	<u>CITY</u>	COUNTY	STATE	ZIP CODE
WORTHEN INDUSTRIES INC UPACO DIV	3 E SPITBROOK RD	NASHUA	HILLSBOROUGH	NH	030605783

BIA Tribal Code	<u>Tribe</u>
NO DATA	NO DATA

Mailing Information

NAME	<u>STREET</u>	<u>CITY</u>	STATE	ZIP CODE
WORTHEN INDUSTRIES INC UPACO DIV	3 E SPITBROOK RD	NASHUA	NH	03060-5783

PROVINCE	COUNTRY (NON - US)
NO DATA	NO DATA

4.2 Facility Classification

ENTIRE FACILITY	PARTIAL FACILITY	FEDERAL FACILITY	GOCO FACILITY
YES	NO	NO	NO

4.3 Technical Contact

Not Available to the Public as this information is only for Intranet.

4.4 Public Contact

<u>NAME</u>	PHONE
VALERIE CONNELLY	6038885443

4.5 NAICS Codes

NAICS CODE	<u>PRIMARY</u>	NAICS CODE DESCRIPTION
325520	YES	Adhesive Manufacturing

4.7 Dun Numbers

DUNS NUMBER

5. Parent Company Information

Parent Company Name: WORTHEN INDUSTRIES INC

PART II. CHEMICAL - SPECIFIC INFORMATION

DOCUMENT CONTROL NUMBER: 1314212421933

Section 1. Toxic Chemical Identity

1.1 CAS Number: 000872504

1.2 Toxic Chemical or Chemical Category Name: N-METHYL-2-PYRROLIDONE

1.3 Generic Chemical Name: NA

1.4 Distribution of Each Member of the Dioxin and Dioxin like Compounds Category

<u>NA</u>	1	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>	<u>10</u>	11	<u>12</u>	<u>13</u>	<u>14</u>	<u>15</u>	<u>16</u>	<u>17</u>
NO																	

Section 2. Mixture Component Identity

2.1 Supplier Provided Generic Chemical Name: NA

Section 3. Activities and Uses of the Toxic Chemical

3.1 Manufacture the Toxic Chemical:

Produce: NO	Import: NO	On-Site Use/Processing: NO
Sale/Distribution: NO	Byproduct: NO	Impurity: NO

3.2 Process the Toxic Chemical:

Reactant: NO	Formulation Component: YES	Article Component: NO	Repackaging: NO	<u>Impurity</u> : NO	

3.3 Otherwise Use the Toxic Chemical:

Chemical Processing Aid: NO	Ancillary or Other Use: YES	

Section 4. Maximum Amount of the Toxic Chemical Onsite During the Calendar Year

Maximum Chemical Amount: 1000 to 9999

Section 5. Quantity of the Toxic Chemical Entering each Environmental Medium Onsite

5.1 Fugitive or Non-Point Air Emissions

<u>NA</u>	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE
NO	1	Pounds	O – Other Approaches

5.2 Stack or Point Air Emissions

<u>NA</u>	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE
NO	16	Pounds	E2 – Emission Factor, Site–specific

5.3 Discharges to Receiving Streams or Water Bodies

NA	STREAM/WATER BODY NAME	REACH Code		UNIT OF MEASURE	RASIS OF ESTIMATE	% FROM STORMWATER
NO	MERRIMACK RIVER	01070006000405	0	Pounds	O - Other Approaches	

5.4-5.5 Disposal to Land Onsite

5.4.1 <u>Underground Injection Onsite to Class I Wells.</u>

<u>NA</u>	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE
YES			

0.4.2	unaero	rouna	In	ection	Onsite	ιο	Class	11- V	weiis.
	_								

NA	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE
YES			

5.5 Disposal to Land Onsite

5.5.1A RCRA Subtitle C Landfills

<u>NA</u>	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE
YES			

5.5.1B Other Landfills

NA	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE
YES			

5.5.2 Land Treatment/Application Farming

<u>NA</u>	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE
YES			

5.5.3A RCRA Subtitle C Surface Impoundments

<u>NA</u>	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE				
YES							
5.5.3B Other Surface Impoundments							

NA	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE
YES			

5.5.4 Other Disposal

NA	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE
YES			

Section 6. Transfers of the Toxic Chemical in Wastes to Off-Site Locations

6.1 Discharges to Publicly Owned Treatment Works (POTWs)

1 – <u>NAME</u> :	ADDRESS:	
<u>CITY</u> :	STATE:	
COUNTY:	ZIP CODE:	

TOTAL TRANSFERS (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE
NO DATA		NO DATA

6.2 Transfers to other Off-Site Locations

1 RCRA Number: MAD00	Pa	Parent Company Controlled: NO								
Name: ROCHE BROTHERS	BARREL C	0 <u>Ac</u>	ddress	: 161 PH	IOENIX	AVENU	JE			
City: LOWELL		St	ate: M	1A						
County: MIDDLESEX		Zi	p Cod	<u>e</u> : 01852	2					
Country Code (Non – US)	:	<u>Pr</u>	ovince	<u>e</u> :						
OFFSITE AMOUNT SEQUENCE	TOTAL 'year)	TRANS	ANSFERS (per UNIT OF MEASURE				BASIS OF	<u>ESTIMATE</u>	WASTE MANAGEMENT TYPE	
1				36	36 Pounds			O – Othe Approach		M99 – Unknown
2 RCRA Number: NYD049	.CRA Number: NYD049253719 Parent Company Controlled: YES									
Name: ASHLAND CHEMIC	AL CO	Addre	ess: 3 BROAD STREET							
<u>City</u> : BINGHAMTON		State:	: NY							
County: BROOME		Zip Co	<u>Code</u> : 13904							
Country Code (Non – US)	:	<u>Provir</u>	<u>1ce</u> :							
	OTAL TRAI ar)	NSFER:		UNIT OF MEASUR		BASIS	OF E	STIMATE	WASTE MANA	AGEMENT TYPE
1		1	1103	3 Pounds O – Othe Approac					M92 – Trans Energy Reco	sfer to Waste Broker- overy
3 RCRA Number: NJD981		Parent Company Controlled: N				<u>d</u> : N0	0			
Name: KEARNY STEEL CO	NTAINER	CORP	Address: 401 SOUTH STREET				ET			
<u>City</u> : NEWARK			State: NJ							
County: ESSEX		<u>Zip Code</u> : 07105								
Country Code (Non – US)	:		Province:							

		UNIT OF MEASURE	RASIS OF FSTIMATE	WASTE MANAGEMENT TYPE
1	24	Pounds	O – Other Approaches	M99 – Unknown

Section 7A. On-Site Waste Treatment Methods and Efficiency

7A.1a. Waste Stream: NA

7A.1b.	WASTE TREATMENT METHOD(S) SEQUENCE
1	NO DATA

7A.1d. Waste Treatment Efficiency Estimate: NA

Section 7B. On-Site Energy Recovery Processes

ON SITE ENER	GY RECOV	ERY PROCESSES
NA		

Section 7C. On-Site Recycling Processes

ON SITE RECYCLING F	PROCESSES
NA	

Section 8. Source Reduction and Recycling Activities

SECTION	TYPE OF QUANTITY	UNITS	<u>PRIOR</u> YFAR	REPORTING	<u>FOLLOWING</u> YFAR	SECOND FOLLOWING YEAR
8.1a	Total on-site disposal to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills		NA	NA	NA	NA

8.1b	Total other on-site disposal or other releases	Pounds	9	17	16	15
8.1c	Total off-site disposal to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills		NA	NA	NA	NA
8.1d	Total other off-site disposal or other releases	Pounds	127	60	60	55
8.2	Quantity Used for Energy Recovery Onsite		NA	NA	NA	NA
8.3	Quantity Used for Energy Recovery Offsite	Pounds	8873	11103	10500	10000
8.4	Quantity Recycled Onsite		NA	NA	NA	NA
8.5	Quantity Recycled Offsite	Pounds	650	NA	NA	NA
8.6	Quantity Treated Onsite		NA	NA	NA	NA
8.7	Quantity Treated Offsite		NA	NA	NA	NA

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7	3.8	М	. (ın	ρ	_		ır	n	ρ	-١	₩	וכ	n	г	к	ρ	16	ے د	49	 3.	- 1	v	L	١.

<u>~</u>			
8.9 Production Ratio	or	Activity Ratio	: .5

8.10 Source Reduction Activities

SOURCE REDUCTION ACTIVITIES	METHOD 1	METHOD 2	METHOD 3	ESTIMATED ANNUAL REDUCTION
NA				

8.11 Additional Data Indicator: NO

B6 Pollution prevention previously implemented - additional reduction does not appe No comment provided

9.1 Miscellaneous, Additional or Optional Information regarding the Form R submission

PART I. FACILITY IDENTIFICATION INFORMATION (FORM R)

DOCUMENT CONTROL NUMBER: 1314212421945
Facility Registry System ID: 110004087595

Section 1. Reporting Year

Reporting Year: 2014

Section 2. Trade Secret Information

2.1 Trade Secret: NO

2.2 Sanitized Copy: Unsanitized

Section 3. Certification

CERTIFYING OFFICIAL'S NAME	CERTIFYING OFFICIAL'S TITLE	CERTIFYING OFFICIAL'S SIGNATURE	DATE SIGNED
PAMELA DOYON	QUALITY/ENVIRONMENTAL ENGINEER	Electronic	11-JUN-15

Section 4. Facility Identification

TRI Facility ID: 03060PCDHS3EAST

4.1 Facility Name and Address.

Facility Information

<u>NAME</u>	<u>STREET</u>	<u>CITY</u>	COUNTY	STATE	ZIP CODE
WORTHEN INDUSTRIES INC UPACO DIV	3 E SPITBROOK RD	NASHUA	HILLSBOROUGH	NH	030605783

BIA Tribal Code	<u>Tribe</u>
NO DATA	NO DATA

Mailing Information

NAME	<u>STREET</u>	<u>CITY</u>	STATE	ZIP CODE
WORTHEN INDUSTRIES INC UPACO DIV	3 E SPITBROOK RD	NASHUA	NH	03060-5783

PROVINCE	COUNTRY (NON - US)
NO DATA	NO DATA

4.2 Facility Classification

ENTIRE FACILITY	PARTIAL FACILITY	FEDERAL FACILITY	GOCO FACILITY
YES	NO	NO	NO

4.3 Technical Contact

Not Available to the Public as this information is only for Intranet.

4.4 Public Contact

<u>NAME</u>	PHONE
VALERIE CONNELLY	6038885443

4.5 NAICS Codes

NAICS CODE	<u>PRIMARY</u>	NAICS CODE DESCRIPTION
325520	YES	Adhesive Manufacturing

4.7 Dun Numbers

DUNS NUMBER

5. Parent Company Information

Parent Company Name: WORTHEN INDUSTRIES INC

PART II. CHEMICAL - SPECIFIC INFORMATION

DOCUMENT CONTROL NUMBER: 1314212421945

Section 1. Toxic Chemical Identity

1.1 CAS Number: 000108883

1.2 Toxic Chemical or Chemical Category Name: TOLUENE

1.3 Generic Chemical Name: NA

1.4 Distribution of Each Member of the Dioxin and Dioxin like Compounds Category

<u>NA</u>	1	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>	<u>10</u>	11	<u>12</u>	<u>13</u>	<u>14</u>	<u>15</u>	<u>16</u>	<u>17</u>
NO																	

Section 2. Mixture Component Identity

2.1 Supplier Provided Generic Chemical Name: NA

Section 3. Activities and Uses of the Toxic Chemical

3.1 Manufacture the Toxic Chemical:

Produce: NO	Import: NO	On-Site Use/Processing: NO
Sale/Distribution: NO	Byproduct: NO	Impurity: NO

3.2 Process the Toxic Chemical:

Reactant: NO	Formulation Component: YES	Article Component: NO	Repackaging: NO	<u>Impurity</u> : NO	

3.3 Otherwise Use the Toxic Chemical:

Chemical Processing Aid: NO Manufacturing Aid:	NO Ancillary or Other Use: YES
--	--------------------------------

Section 4. Maximum Amount of the Toxic Chemical Onsite During the Calendar Year

Maximum Chemical Amount: 100000 to 999999

Section 5. Quantity of the Toxic Chemical Entering each Environmental Medium Onsite

5.1 Fugitive or Non-Point Air Emissions

NA	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE
NO	146	Pounds	E2 – Emission Factor, Site–specific

5.2 Stack or Point Air Emissions

<u>NA</u>	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE
NO	2332	Pounds	E2 – Emission Factor, Site-specific

5.3 Discharges to Receiving Streams or Water Bodies

<u>NA</u>	STREAM/WATER BODY NAME	REACH Code		UNIT OF MEASURE	BASIS OF ESTIMATE	% FROM STORMWATER
NO	MERRIMACK RIVER	01070006000405	0	Pounds	O - Other Approaches	

5.4-5.5 Disposal to Land Onsite

5.4.1 <u>Underground Injection Onsite to Class I Wells.</u>

NA	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE
YES			

0.4.2	unaero	rouna	In	ection	Onsite	ιο	Class	11- V	weiis.
	_								

NA	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE
YES			

5.5 Disposal to Land Onsite

5.5.1A RCRA Subtitle C Landfills

<u>NA</u>	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE
YES			

5.5.1B Other Landfills

NA	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE
YES			

5.5.2 Land Treatment/Application Farming

<u>NA</u>	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE
YES			

5.5.3A RCRA Subtitle C Surface Impoundments

<u>NA</u>	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE		
YES					
5.5.3B Other Surface Impoundments					

NA	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE
YES			

5.5.4 Other Disposal

NA	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE
YES			

Section 6. Transfers of the Toxic Chemical in Wastes to Off-Site Locations

6.1 Discharges to Publicly Owned Treatment Works (POTWs)

1 – <u>NAME</u> :	ADDRESS:	
<u>CITY</u> :	STATE:	
COUNTY:	ZIP CODE:	

TOTAL TRANSFERS (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE
NO DATA		NO DATA

6.2 Transfers to other Off-Site Locations

1 RCRA Number: MAD001035971		Parent Company Controlled: NO			
Name: ROCHE BROTHERS E	ARREL CO	Address: 161 PHOENIX AVENUE			
<u>City</u> : LOWELL		State: MA			
County: MIDDLESEX		<u>Zip Code</u> : 01852			
Country Code (Non – US):		Province:			
OFFSITE AMOUNT SEQUENCE	TOTAL TRA	<u> </u>	UNIT OF MEASURE	BASIS OF ESTIMATE	WASTE MANAGEMENT TYPE
1		3	Pounds	O – Other Approaches	M99 – Unknown

2 RCRA Number: NYD049253719	Parent Company Controlled: YES
Name: ASHLAND CHEMICAL CO	Address: 3 BROAD STREET
<u>City</u> : BINGHAMTON	State: NY
County: BROOME	<u>Zip Code</u> : 13904
Country Code (Non – US):	Province:

OFFSITE AMOUNT SEQUENCE	TOTAL TRANSFERS (per year)	<u>UNIT OF</u> <u>MEASURE</u>	BASIS OF ESTIMATE	WASTE MANAGEMENT TYPE
1	13937	Pounds	O - Other Approaches	M92 – Transfer to Waste Broker– Energy Recovery

Section 7A. On-Site Waste Treatment Methods and Efficiency

7A.1a. Waste Stream: NA

//\u.	Maste Stream. NA						
7A.1b.	WASTE TREATMENT METHOD(S) SEQUENCE						
1	NO DATA						

7A.1d. Waste Treatment Efficiency Estimate: NA

Section 7B. On-Site Energy Recovery Processes

ON SITE E	IERGY RECOVERY PROCESSES
NA	

Section 7C. On-Site Recycling Processes

ON SITE RECYCLING PROCESSE	<u>S</u>
NA	

Section 8. Source Reduction and Recycling Activities

SECTION	TYPE OF QUANTITY	<u>UNITS</u>	PRIOR YEAR	CURRENT REPORTING YEAR	FOLLOWING VEAR	SECOND FOLLOWING YEAR
8.1a	Total on-site disposal to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills		NA	NA	NA	NA
8.1b	Total other on-site disposal or other releases	Pounds	2272	2478	2400	2400
8.1c	Total off-site disposal to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills		NA	NA	NA	NA
8.1d	Total other off-site disposal or other releases	Pounds	1.6	3	2	2
8.2	Quantity Used for Energy Recovery Onsite		NA	NA	NA	NA
8.3	Quantity Used for Energy Recovery Offsite	Pounds	10076	13937	11000	11000

8.4	Quantity Recycled Onsite	NA	NA	NA	NA
8.5	Quantity Recycled Offsite	NA	NA	NA	NA
8.6	Quantity Treated Onsite	NA	NA	NA	NA
8.7	Quantity Treated Offsite	NA	NA	NA	NA

8.8 One-Time Event Release: NA

8.10 Source Reduction Activities

SOURCE REDUCTION ACTIVITIES	METHOD 1	METHOD 2	ESTIMATED ANNUAL REDUCTION
W71 - OTHER CLEANING AND DEGREASING MODIFICATIONS	T04 – PARTICIPATIVE TEAM MANAGEMENT		

8.11 Additional Data Indicator: NO

9.1 Miscellaneous, Additional or Optional Information regarding the Form R submission

PRAI Production Ratio or Activity Index comment production through put report/last year report

PART I. FACILITY IDENTIFICATION INFORMATION (FORM R)

DOCUMENT CONTROL NUMBER: 1314212421958
Facility Registry System ID: 110004087595

Section 1. Reporting Year

Reporting Year: 2014

Section 2. Trade Secret Information

2.1 Trade Secret: NO

2.2 Sanitized Copy: Unsanitized

Section 3. Certification

CERTIFYING OFFICIAL'S NAME	CERTIFYING OFFICIAL'S TITLE	CERTIFYING OFFICIAL'S SIGNATURE	DATE SIGNED
PAMELA DOYON	QUALITY/ENVIRONMENTAL ENGINEER	Electronic	11-JUN-15

Section 4. Facility Identification

TRI Facility ID: 03060PCDHS3EAST

4.1 Facility Name and Address.

Facility Information

<u>NAME</u>	STREET	<u>CITY</u>	COUNTY	<u>STATE</u>	ZIP CODE
WORTHEN INDUSTRIES INC UPACO DIV	3 E SPITBROOK RD	NASHUA	HILLSBOROUGH	NH	030605783
BIA Tribal Code Tribe	<u> </u>	l	<u> </u>		

BIA Tribal Code	<u>Tribe</u>
NO DATA	NO DATA

Mailing Information

<u>NAME</u>	<u>STREET</u>	<u>CITY</u>	STATE	ZIP CODE
WORTHEN INDUSTRIES INC UPACO DIV	3 E SPITBROOK RD	NASHUA	NH	03060-5783

PROVINCE	COUNTRY (NON - US)
NO DATA	NO DATA

4.2 Facility Classification

ENTIRE FACILITY	PARTIAL FACILITY	FEDERAL FACILITY	GOCO FACILITY

YES	NO	NO	NO

4.3 Technical Contact

Not Available to the Public as this information is only for Intranet.

4.4 Public Contact

<u>NAME</u>	<u>PHONE</u>
VALERIE CONNELLY	6038885443

4.5 NAICS Codes

NAICS CODE	PRIMARY	NAICS CODE DESCRIPTION
325520	YES	Adhesive Manufacturing

4.7 Dun Numbers

DUNS NUMBER

5. Parent Company Information

Parent Company Name: WORTHEN INDUSTRIES INC

Parent Company DUNS Number: 001056795

PART II. CHEMICAL - SPECIFIC INFORMATION

DOCUMENT CONTROL NUMBER: 1314212421958

Section 1. Toxic Chemical Identity

1.1 CAS Number: 026471625

- 1.2 Toxic Chemical or Chemical Category Name: TOLUENE DIISOCYANATE (MIXED ISOMERS)
- 1.3 Generic Chemical Name: NA
- 1.4 Distribution of Each Member of the Dioxin and Dioxin like Compounds Category

<u>NA</u>	1	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>	<u>10</u>	11	<u>12</u>	<u>13</u>	<u>14</u>	<u>15</u>	<u>16</u>	<u>17</u>
NO																	

Section 2. Mixture Component Identity

2.1 Supplier Provided Generic Chemical Name: NA

Section 3. Activities and Uses of the Toxic Chemical

3.1 Manufacture the Toxic Chemical:

Produce: NO	Import: NO	On-Site Use/Processing: NO
Sale/Distribution: NO	Byproduct: NO	Impurity: NO

3.2 Process the Toxic Chemical:

Reactant: YES	Formulation Component: NO	Article Component: NO	Repackaging: NO	Impurity: NO

3.3 Otherwise Use the Toxic Chemical:

Chemical Processing Aid: NO		Ancillary or Other Use: NO
-----------------------------	--	----------------------------

Section 4. Maximum Amount of the Toxic Chemical Onsite During the Calendar Year

Maximum Chemical Amount: 1000 to 9999

Section 5. Quantity of the Toxic Chemical Entering each Environmental Medium Onsite

5.1 Fugitive or Non-Point Air Emissions

<u>NA</u>	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE
NO	0	Pounds	E2 – Emission Factor, Site-specific

5.2 Stack or Point Air Emissions

NA	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE
NO	1	Pounds	E2 – Emission Factor, Site–specific

5.3 <u>Discharges to Receiving Streams or Water Bodies</u>

INA	STREAM/WATER BODY NAME	REACH Code		<u>UNIT OF</u> MEASURE	RASIS OF ESTIMATE	% FROM STORMWATER
NO	MERRIMACK RIVER	01070006000405	0	Pounds	O – Other Approaches	

5.4-5.5 Disposal to Land Onsite

5.4.1 <u>Underground Injection Onsite to Class I Wells.</u>

<u>NA</u>	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE
YES			

5.4.2 <u>Underground Injection Onsite to Class II–V Wells.</u>

<u>NA</u>	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE
YES			

5.5 Disposal to Land Onsite

5.5.1A RCRA Subtitle C Landfills

<u>IA</u>	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE
YES			
.5.1	B Other Landfills		
		LINIT OF MEASURE	RASIS OF ESTIMATI
	B Other Landfills TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATI
		UNIT OF MEASURE	BASIS OF ESTIMATE

5.5.2 Land Treatment/Application Farming

NA	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE
YES			

5.5.3A RCRA Subtitle C Surface Impoundments

<u>NA</u>	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE
YES			

5.5.3B Other Surface Impoundments

NA	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE
YES			

5.5.4 Other Disposal

NA]	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE
YES			

Section 6. Transfers of the Toxic Chemical in Wastes to Off-Site Locations

6.1 Discharges to Publicly Owned Treatment Works (POTWs)

1 - <u>NAME</u> :	ADDRESS:						
CITY:	STATE:						
COUNTY:	ZIP CODE:						
TOTAL TRA	NSFERS (per	year)	UNIT	OF M	EASURE	BASIS OF ESTI	MATE
N	O DATA					NO DATA	4

6.2 Transfers to other Off-Site Locations

1 <u>RCRA Number</u> : MAD001035971	Parent Company Controlled: NO
Name: ROCHE BROTHERS BARREL CO	Address: 161 PHOENIX AVENUE
City: LOWELL	State: MA
County: MIDDLESEX	<u>Zip Code</u> : 01852
Country Code (Non – US):	Province:

OFFSITE AMOUNT	TOTAL TRANSFERS (per	UNIT OF	DACIC OF FCTIMATE	WASTE MANAGEMENT
<u>SEQUENCE</u>	<u>year)</u>	<u>MEASURE</u>	BASIS OF ESTIMATE	<u>TYPE</u>

1		1		182	Poun	ds		O – Other Approaches		M99 – Unknown
2 RCRA Number: NJD981142797 Parent Co			Comp	any Contro	olled:	NO				
Name: KEARNY STEEL CO	ONTAINER	CORP	Addres	<u>s</u> : 401	SOUTH S	ΓREET	-			
City: NEWARK			State: I	NJ						
County: ESSEX			Zip Co	<u>de</u> : 07	105					
Country Code (Non - US	<u>)</u> :		Provinc	<u>ce</u> :						
OFFSITE AMOUNT SEQUENCE	TOTAL year)	TRANS	SFERS (p		UNIT OF MEASURE		<u>B</u>	ASIS OF ESTI	<u>MATE</u>	WASTE MANAGEMENT TYPE
1				121	Poun	ds		O – Other Approaches		M99 – Unknown
3 RCRA Number: NYD04	9253719	<u>Paren</u>	t Compa	any Co	ntrolled: Y	'ES	,			
Name: ASHLAND CHEMIC	CAL CO	Addre	<u>ss</u> : 3 BF	ROAD S	STREET					
City: BINGHAMTON		State:	NY							
County: BROOME		Zip Co	<u>ode</u> : 13	904						
Country Code (Non – US	<u>)</u> :	Provir	<u>ice</u> :							
	TOTAL TR year)	ANSFEI	RS (per	UNIT (BASIS	OF.	<u>ESTIMATE</u>	WASTE M	ANAGEMENT TYPE
1			10	Po	ounds	O - 0 Appi			M94 – T Disposal	ransfer to Waste Broker-

Section 7A. On-Site Waste Treatment Methods and Efficiency

7A.1a. Waste Stream: NA

Maste Stream. NA						
7A.1b.	WASTE TREATMENT METHOD(S) SEQUENCE					
1	NO DATA					

7A.1d. Waste Treatment Efficiency Estimate: NA

Section 7B. On-Site Energy Recovery Processes

ON S	SITE E	NERC	Y REC	COVE	RY PR	OCESSES
NA						

Section 7C. On-Site Recycling Processes

ON SITE RECYCLING PROCESSE	S
NA	

Section 8. Source Reduction and Recycling Activities

SECTION	TYPE OF QUANTITY	HINITS	PRIOR YFAR	REPORTING	FOLLOWING YEAR	SECOND FOLLOWING YEAR
8.1a	Total on-site disposal to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills		NA	NA	NA	NA
8.1b	Total other on-site disposal or other releases	Pounds	1	1	1	1
8.1c	Total off-site disposal to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills		NA	NA	NA	NA
8.1d	Total other off-site disposal or other releases	Pounds	374	313	370	360
8.2	Quantity Used for Energy Recovery Onsite		NA	NA	NA	NA
8.3	Quantity Used for Energy Recovery Offsite		NA	NA	NA	NA
8.4	Quantity Recycled Onsite		NA	NA	NA	NA

8.5	Quantity Recycled Offsite	NA	NA	NA	NA
8.6	Quantity Treated Onsite	NA	NA	NA	NA
8.7	Quantity Treated Offsite	NA	NA	NA	NA

8.8 One-Time Event Release: NA

8.9 Production Ratio or Activity Ratio : .73

8.10 Source Reduction Activities

SOURCE REDUCTION ACTIVITIES	METHOD 1	METHOD 2	METHOD 3	ESTIMATED ANNUAL REDUCTION
NA				

8.11 Additional Data Indicator: NO

B3 Concern that product quality may decline as a result of source reduction. No comment provided

9.1 Miscellaneous, Additional or Optional Information regarding the Form R submission

PRAI Production Ratio or Activity Index comment production through put report/last year report

PART I. FACILITY IDENTIFICATION INFORMATION (FORM R)

DOCUMENT CONTROL NUMBER: 1314212421960
Facility Registry System ID: 110004087595

Section 1. Reporting Year

Reporting Year: 2014

Section 2. Trade Secret Information

2.1 Trade Secret: NO

2.2 Sanitized Copy: Unsanitized

Section 3. Certification

CERTIFYING OFFICIAL'S NAME	CERTIFYING OFFICIAL'S TITLE	CERTIFYING OFFICIAL'S SIGNATURE	DATE SIGNED
PAMELA DOYON	QUALITY/ENVIRONMENTAL ENGINEER	Electronic	11-JUN-15

Section 4. Facility Identification

TRI Facility ID: 03060PCDHS3EAST

4.1 Facility Name and Address.

Facility Information

NAME	<u>STREET</u>	<u>CITY</u>	COUNTY	STATE	ZIP CODE
WORTHEN INDUSTRIES INC UPACO DIV	3 E SPITBROOK RD	NASHUA	HILLSBOROUGH	NH	030605783

BIA Tribal Code	<u>Tribe</u>
NO DATA	NO DATA

Mailing Information

NAME	<u>STREET</u>	<u>CITY</u>	<u>STATE</u>	ZIP CODE
WORTHEN INDUSTRIES INC UPACO DIV	3 E SPITBROOK RD	NASHUA	NH	03060-5783

PROVINCE	COUNTRY (NON – US)
NO DATA	NO DATA

4.2 Facility Classification

ENTIRE FACILITY	PARTIAL FACILITY	FEDERAL FACILITY	GOCO FACILITY
YES	NO	NO	NO

4.3 Technical Contact

Not Available to the Public as this information is only for Intranet.

4.4 Public Contact

<u>NAME</u>	<u>PHONE</u>
VALERIE CONNELLY	6038885443

4.5 NAICS Codes

NAICS CODE	<u>PRIMARY</u>	NAICS CODE DESCRIPTION
325520	YES	Adhesive Manufacturing

4.7 Dun Numbers

DUNS NUMBER

5. Parent Company Information

Parent Company Name: WORTHEN INDUSTRIES INC

Parent Company DUNS Number: 001056795

PART II. CHEMICAL - SPECIFIC INFORMATION

DOCUMENT CONTROL NUMBER: 1314212421960

Section 1. Toxic Chemical Identity

1.1 CAS Number: 001330207

1.2 <u>Toxic Chemical or Chemical Category Name</u>: <u>XYLENE (MIXED ISOMERS)</u>

1.3 Generic Chemical Name: NA

1.4 Distribution of Each Member of the Dioxin and Dioxin like Compounds Category

NA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
					Г												

NO									

Section 2. Mixture Component Identity

2.1 Supplier Provided Generic Chemical Name: NA

Section 3. Activities and Uses of the Toxic Chemical

3.1 Manufacture the Toxic Chemical:

Produce: NO	Import: NO	On-Site Use/Processing: NO
Sale/Distribution: NO	Byproduct: NO	Impurity: NO

3.2 Process the Toxic Chemical:

Reactant: NO Formulation Component: YES Article Component: NO Repackaging: NO Impurity: No
--

3.3 Otherwise Use the Toxic Chemical:

Chemical Processing Aid: NO Manufacturing Aid: NO Ancillary or Other Use: Y

Section 4. Maximum Amount of the Toxic Chemical Onsite During the Calendar Year

Maximum Chemical Amount: 10000 to 99999

Section 5. Quantity of the Toxic Chemical Entering each Environmental Medium Onsite

5.1 Fugitive or Non-Point Air Emissions

<u>NA</u>	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE
NO	1	Pounds	E2 – Emission Factor, Site-specific

5.2 Stack or Point Air Emissions

<u>NA</u>	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE
NO	15	Pounds	E2 – Emission Factor, Site–specific

5.3 Discharges to Receiving Streams or Water Bodies

<u>NA</u>	STREAM/WATER BODY NAME	REACH Code		UNIT OF MEASURE	RASIS OF ESTIMATE	% FROM STORMWATER
NO	MERRIMACK RIVER	01070006000405	0	Pounds	O – Other Approaches	

5.4-5.5 Disposal to Land Onsite

5.4.1 <u>Underground Injection Onsite to Class I Wells.</u>

NA	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE
YES			

5.4.2 <u>Underground Injection Onsite to Class II–V Wells.</u>

NA I	OTAL RELEASE (<u>per year)</u>	UNIT OF	MEASURE	BASIS OF	<u>ESTIMATE</u>
YES						

5.5 Disposal to Land Onsite

5.5.1A RCRA Subtitle C Landfills

<u>IA</u>	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE
YES			
.5.1	B Other Landfills		
		LINIT OF MEASURE	RASIS OF ESTIMATI
	B Other Landfills TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATI
		UNIT OF MEASURE	BASIS OF ESTIMATE

5.5.2 Land Treatment/Application Farming

NA	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE
YES			

5.5.3A RCRA Subtitle C Surface Impoundments

<u>NA</u>	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE
YES			

5.5.3B Other Surface Impoundments

NA	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE
YES			

5.5.4 Other Disposal

NA]	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE
YES			

Section 6. Transfers of the Toxic Chemical in Wastes to Off-Site Locations

6.1 Discharges to Publicly Owned Treatment Works (POTWs)

1 - <u>NAME</u> :	ADDRESS:						
CITY:	STATE:						
COUNTY:	ZIP CODE:						
TOTAL TRA	NSFERS (per	year)	UNIT	OF M	EASURE	BASIS OF ESTI	MATE
N	O DATA					NO DATA	4

6.2 Transfers to other Off-Site Locations

1 <u>RCRA Number</u> : MAD001035971	Parent Company Controlled: NO
Name: ROCHE BROTHERS BARREL CO	Address: 161 PHOENIX AVENUE
City: LOWELL	State: MA
County: MIDDLESEX	<u>Zip Code</u> : 01852
Country Code (Non – US):	Province:

OFFSITE AMOUNT	TOTAL TRANSFERS (per	UNIT OF	DACIC OF FCTIMATE	WASTE MANAGEMENT
<u>SEQUENCE</u>	<u>year)</u>	<u>MEASURE</u>	BASIS OF ESTIMATE	<u>TYPE</u>

1				90 Po		ounds		O – Other Approaches		M99 – Unknown
2 RCRA Number: NYD0	Parent Company Controlled			<u>d</u> : YES	'					
Name: ASHLAND CHEM	ICAL CO	Addre	<u>ss</u> : 3	BROAD S	STREET					
City: BINGHAMTON		State:	NY							
County: BROOME		Zip Co	<u>ode</u> : 1	3904						
Country Code (Non – U	<u>S)</u> :	<u>Provir</u>	<u>ıce</u> :							
	ΓΟΤΑL TRA <u>(ear)</u>	NSFERS	S (per	UNIT OF MEASUR		BASIS	OF E	STIMATE	WASTE MANA	AGEMENT TYPE
1			734	Pour	nds	O – Other Approaches			M92 – Trans Energy Reco	sfer to Waste Broker– very
3 RCRA Number: NJD98	31142797	Parent Company Controlled			<u>d</u> : NC					
Name: KEARNY STEEL C	ONTAINER	CORP	Address: 401 SOUTH STREE			ET				
City: NEWARK			State: NJ							
County: ESSEX			Zip (<u>Code</u> : 07	105					
Country Code (Non – U	<u>S)</u> :		Prov	<u>ince</u> :						
OFFSITE AMOUNT SEQUENCE	TOTAL year)	TRANS	SFERS		<u>UNIT O</u> MEASU			BASIS OF	<u>ESTIMATE</u>	WASTE MANAGEMENT TYPE
1	1 60		Po	ounds		O – Othe Approach		M99 – Unknown		

Section 7A. On-Site Waste Treatment Methods and Efficiency

7A.1a. Waste Stream: NA

//\. i u.	waste stream. WA					
7A.1b.	WASTE TREATMENT METHOD(S) SEQUENCE					
1	NO DATA					

7A.1d. Waste Treatment Efficiency Estimate: NA

Section 7B. On-Site Energy Recovery Processes

ON S	SITE E	NERGY	RECO	VERY	PROC	ESSES
NA						

Section 7C. On-Site Recycling Processes

ON SITE RECYCLING PROCES	SES
NA	

Section 8. Source Reduction and Recycling Activities

SECTION	TYPE OF QUANTITY	<u>UNITS</u>	YFAR	REPORTING	FOLLOWING YEAR	SECOND FOLLOWING YEAR
8.1a	Total on-site disposal to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills		NA	NA	NA	NA
8.1b	Total other on-site disposal or other releases	Pounds	17	16	16	17
8.1c	Total off-site disposal to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills		NA	NA	NA	NA
8.1d	Total other off-site disposal or other releases	Pounds	160	150	160	160
8.2	Quantity Used for Energy Recovery Onsite		NA	NA	NA	NA
8.3	Quantity Used for Energy Recovery Offsite	Pounds	1570	734	720	700
8.4	Quantity Recycled Onsite		NA	NA	NA	NA

8.5	Quantity Recycled Offsite	NA	NA	NA	NA
8.6	Quantity Treated Onsite	NA	NA	NA	NA
8.7	Quantity Treated Offsite	NA	NA	NA	NA

8.8 One-Time Event Release:	N/	ease:	Rel	Event	īme	One-1	3.8
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▽			
8.9 Production Ratio	or	Activity Ratio "	: .86

8.10 Source Reduction Activities

SOURCE REDUCTION ACTIVITIES	METHOD 1	METHOD 2	METHOD 3	ESTIMATED ANNUAL REDUCTION)N
NA					

8.11 Additional Data Indicator: NO

9.1 Miscellaneous, Additional or Optional Information regarding the Form R submission

וע אישו	Production Ratio or Activity Index comment	production through put report/last year report
TPRL		The profile of 109–2621 content of Xylene went from 3% down to 1% and in 2013 shipped 89,904 lbs (1570 lbs Xylene) to 85,160 lbs (734 lbs Xylene)